

US APPLICATION NO. 10/767,469
Amendment and Response to Restriction Requirement and Election of Species
ATTNY DKT: Q79516

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously amended): A portable device for indicating a direction to a specific location comprising:

an input unit inputted with a direction searching command for searching a direction to the specific location and with a current city information setup by a user;

a geomagnetic sensor for detecting a geographical direction;

a storage unit for storing information on directions between major cities of all the nations and the specific location;

a first display showing the direction to the specific location and an orientation of the portable device on a screen; and

a control unit, upon transmission of the direction searching command from the input unit, for indicating the orientation of a portable device and the direction to the specific location on the first display based on the detected geographical direction from the geomagnetic sensor, and the direction information between the current city information setup through the input unit and the specific location stored in the storage unit.

2. (currently amended): The portable device of claim 1, wherein the input unit ~~comprises at least one of a mouse, a touch screen, has a key, a keyboard and a microphone.~~

3. (original): The portable device of claim 1, further comprising a second display, which is controlled by the control unit, for generating an alarm when the orientation of the device and the direction to the specific location are aligned with each other.

4. (currently amended): The portable device of claim 3, wherein the second display ~~comprises at least one of~~ has a light emitting diode, ~~a speaker and the first display.~~

US APPLICATION NO. 10/767,469

Amendment and Response to Restriction Requirement and Election of Species

ATTNY DKT: Q79516

5. (original): The portable device of claim 4, further comprising a data transceiver for communicating with a setup time informing server connected by a network, wherein the control unit generates an alarm through the second display, upon being informed of setup time from the setup time informing server through the transceiver, and automatically indicates the direction to the specific location and the orientation of the portable device according to the geographical direction.

6. (original): The portable device of claim 1, wherein the control unit displays a screen for setting up the current city information on the first display when a mode for searching for the direction to the specific location is selected through the input unit.

7. (original): The portable device of claim 6, wherein the control unit provides the current city information setup screen with a continent select menu and a major city menu for selecting major cities belonging to the selected continent, as a submenu to the continent select menu.

8. (original): The portable device of claim 6, wherein the control unit further provides confirmation buttons to the current city information setup screen to complete setup of the current city information.

9. (original): A method for controlling a portable device for indicating a direction to a specific location comprising the steps of:

setting up a direction information about directions between major cities of all the nations and a specific location;

setting up a current city information about a city selected by a user;

detecting a geographical direction; and

displaying the orientation of the device and the direction to the specific locations on a screen of a first display based on the detected geographical direction, and the direction

US APPLICATION NO. 10/767,469

Amendment and Response to Restriction Requirement and Election of Species

ATTNY DKT: Q79516

information between the set up current city information and the specific location, when the direction searching command is transmitted.

10. (original): The controlling method of claim 9, wherein the direction searching command and the current city information setup are inputted according to an input signal from at least one of a mouse, a touch screen, a key, a keyboard and a microphone.

11. (original): The controlling method of claim 9, further comprising the step of generating an alarm when the orientation of the device and the direction to the specific location correspond.

12. (original): The controlling method of claim 11, wherein the alarm is generated through at least one of a light emitting diode, a speaker and the first display.

13. (original): The controlling method of claim 12, further comprising the steps of: communicating with a setup time informing server connected by a network;

and

when the setup time is informed from the setup time informing server, generating an alarm, and automatically indicating a direction to the specific location and an orientation of the portable device according to the detected geographical direction.

14. (original): The controlling method of claim 9, wherein a current city information setup step displays a screen for setting up the current city information when a mode for searching for a direction to the specific location is selected.

15. (original): The controlling method of claim 14, wherein a screen providing step for setup of the current city information comprises the steps of:

providing a continent select menu to the current city information setup screen; and

providing a major city menu, to the current city information setup screen, as a submenu to the continent select menu, the major city menu for selecting major cities belonging to the selected continent.

US APPLICATION NO. 10/767,469

Amendment and Response to Restriction Requirement and Election of Species

ATTNY DKT: Q79516

16. (original): A portable device comprising:

an input unit inputted with a mode and a direction searching command for searching a direction to a specific location by a user;

a geomagnetic sensor for detecting a geographical direction;

a data transceiver for communicating with a location information providing server connected to the Internet;

a storage unit for storing information on directions between major cities of all the nations and the specific locations;

a first display showing the direction to the specific location and an orientation of the portable device on a screen; and

a control unit, when the direction searching command is transmitted from the input unit, for indicating the orientation of the portable device and the direction to the specific location on the display based on the detected geographical direction from the geomagnetic sensor, and the direction information between the current city information supplied from the location information providing server through the transceiver and the specific location stored in the storage unit.

17. (original): A portable device of claim 16, wherein the input unit comprises at least one of a mouse, a touch screen, a key, a keyboard and a microphone.

18. (original): A portable device of claim 16, further comprising a second display, which is controlled by the control unit, for generating an alarm when the orientation of the device and the direction to the specific location are aligned with each other.

19. (original): A portable device of claim 18, wherein the second display comprises at least one of a light emitting diode, a speaker and the first display.

20. (original): A portable device of claim 19, wherein when a setup time is informed from a setup time informing server connected to the Internet through the transceiver, the control

US APPLICATION NO. 10/767,469
Amendment and Response to Restriction Requirement and Election of Species
ATTNY DKT: Q79516

unit generates an alarm through the second display, and automatically indicates the direction to the specific location and an orientation of the portable device according to the detected geographical direction.

21. (original): A method for controlling a portable device for indicating a direction to specific locations comprising steps of:

setting up a direction information about directions between major cities of all the nations and a specific location;

setting up a current city information by communicating with a location information providing server connected by a network;

detecting the geographical direction; and

when the direction searching command is transmitted, displaying the orientation of the device and the direction to the specific locations on a screen of a first display based on the detected geographical direction, and the direction information between the current city information received from the location information providing server and the specific location.

22. (original): The control method of claim 21, wherein the direction searching command and the current city information setup are determined according to an input signal from at least one of a mouse, a touch screen, a key, a keyboard and a microphone.

23. (original): The control method of claim 21, further comprising the step of generating an alarm when the orientation of the device and the direction to the specific location correspond.

24. (original): The control method of claim 23, wherein the alarm is generated through at least one of a light emitting diode, a speaker and the first display.

25. (original): The control method of claim 24, further comprising the steps of:
communicating with a setup time informing server connected by a network;
and

US APPLICATION NO. 10/767,469

Amendment and Response to Restriction Requirement and Election of Species

ATTNY DKT: Q79516

generating an alarm, upon being informed of setup time from the setup time informing server and then automatically indicating a direction to the specific location and an orientation of the portable device according to the detected geographical direction.